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31. A system as claimed in claim 15 wherein, if said tip is not located in said image plane, said mixing unit mixes a projection of said tip in said image plane into said 2D image.

32. A system as claimed in claim 15 wherein said mixing unit mixes a circle, as said designation, into said 2D image, said circle having a diameter which is alterable dependent on said magnitude of said distance.

33. A system as claimed in claim 15 wherein said mixing unit mixes said designation into said 2D image with an alterable color intensity indicating said magnitude of said distance.

Cancel claim 14.

Claim 16 has been amended as follows:

16. (Amended) A system comprising:

an image signal acquisition unit for acquiring image signals of a first subject,  
and an image unit for producing an image of said first subject from said  
image signals;

a support mechanism for supporting said first subject;

a position acquisition system for determining a position of said image signal  
acquisition unit, said support mechanism, and a second subject relative  
to said image signal acquisition unit; and

a mixing unit for mixing a representation of said second subject into said  
image of said first subject dependent on said position of said image  
signal acquisition unit, said support mechanism, and said second  
subject relative to said image signal acquisition unit.

Cancel claims 23-30.